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Polyolefin-coated steel pipe for petroleum transportation - contains
antioxidant, alkali material and/or absorbent in coating layer

Patent Assignee: NIPPON STEEL CORP (YAWA)

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
JP 3290240	A	19911219	JP 9093437	A	19900409		199207 B
JP 93088670	B	19931224	JP 9093437	A	19900409	B32B-015/08	199403

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Filing Details:

Patent	Kind	Filing Notes	Application	Patent
JP 93088670	B	Based on		JP 3290240

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Abstract (Basic): JP 3290240 A

Coated steel pipe contains antioxidant and alkali substance and/or an adsorbant in the polyolefin coating layer. Pref the alkali substance is zinc oxide, calcium hydroxide, magnesium hydroxide, and/or calcium carbonate; and the adsorbent is a molecular sieve, an activated carbon, zeolite, and/or magnesium silicate.

The steel pipe has a chromate treating agent layer, an epoxy primer layer, and a modified polyolefin coating layer. The polyolefin may be PE or PP. The antioxidant may be a phenol or sulphur type.

USE/ADVANTAGE - For conduits for steam piping, etc. The heat decomposition prods. of the antioxidant are neutralised or adsorbed. Heat degradation is prevented, which contributes to the long service life of the pipe. (5pp Dwg.No.0/1